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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/697,364	10/30/2003	David Wayne Gregg	65936	7901
27148	7590 05/07/2004		EXAMINER	
POLSINELLI SHALTON & WELTE, P.C.			ADDIE, RAYMOND W	
SUITE 1000	00 W. 47TH STREET UITE 1000		ART UNIT	PAPER NUMBER
KANSAS CI	ITY, MO 64112-1802	3671		
			DATE MAILED: 05/07/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	10/697,364	GREGG, DAVID WAYNE				
Office Action Summary	Examiner	Art Unit				
	Raymond W. Addie	3671				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address						
Period for Reply	I V IQ GET TO EVDIDE 2 MONT	H(S) FROM				
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statu. Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	. 136(a). In no event, however, may a reply b ply within the statutory minimum of thirty (30) d will apply and will expire SIX (6) MONTHS for the cause the application to become ABANDO	e timely filed days will be considered timely. rom the mailing date of this communication. DNED (35 U.S.C. § 133).				
Status		•				
1) Responsive to communication(s) filed on 17	December 2003.					
2a) This action is FINAL . 2b) ☐ Th	is action is non-final.					
3) Since this application is in condition for allow	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-42</u> is/are pending in the application	on.	•				
4a) Of the above claim(s) is/are withdr						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-42</u> is/are rejected.						
7) Claim(s) is/are objected to.		. 00				
8) Claim(s) are subject to restriction and	or election requirement.	•				
Application Papers						
9) The specification is objected to by the Examin	ner.					
10)⊠ The drawing(s) filed on <u>30 October 2003</u> is/are: a)⊠ accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the corre	ection is required if the drawing(s) is	s objected to. See 37 CFR 1.121(d).				
11) The oath or declaration is objected to by the	Examiner. Note the attached Of	fice Action or form PTO-152.				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign	an priority under 35 U.S.C. § 11	9(a)-(d) or (f).				
a) ☐ All b) ☐ Some * c) ☐ None of:	3 p	*				
1.☐ Certified copies of the priority docume	ents have been received.					
2. Certified copies of the priority docume		cation No				
3. Copies of the certified copies of the pr	riority documents have been rec	eived in this National Stage				
application from the International Bure						
* See the attached detailed Office action for a li		eived.				
		•				
Attachment(s)		(070,440)				
1) Notice of References Cited (PTO-892)		mary (PTO-413) ail Date				
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/N Paper No(s)/Mail Date 11/17, 12/17/2003. 	5) Notice of Inform	nal Patent Application (PTO-152)				
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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 2, 5-10, 17, 19, 20, 23-27, 34, 36 are rejected under 35 U.S.C. 102(b) as being anticipated by Zieger et al. # 5,846,176.

Zieger et al. discloses a concrete stamping apparatus (10) comprising:

A roller (12) including a surface defined by a stamp.

A receiver portion (16/18, 22, 24) for receiving the roller in a rotatable engagement.

A fluid transport system (28, 32-34, 36) including at least one conduit (32, 36) for providing fluid to the roller along the surface.

Wherein the at least one conduit (32, 34) includes at least one sub line (36) on its end.

The at least one sub line configured for extending at least to the receiver portion for providing fluid to the roller along the surface. See Fig. 3; Col. 3, In. 50-col. 4, In. 54.

In regards to Claims 5-7, 20, 23-25 Zieger et al. explicitly discloses the "irrigation member (34) terminates in a plurality of conduits (36)". Zieger et al. further explicitly recites "a water bottle (28)...whereby a hose (32) connects the...bottle (28) to the inlet valve (33) of an irrigation member (34)...An alternative embodiment...incorporates a

Regarding claims 1-3, Herner et al. disclose a contact/an ohmic contact formation method comprising:

- forming a composite film comprising silicon (Si) and titanium (Ti) on a surface layer of a semiconductor region (see 28 and 30 respectively on the region 12 in Fig. 3; sections 0021-0023) of a semiconductor material including a Group III nitride semiconductor (see section 0039)
- the Si and Ti films being formed in the order of depositing Si followed by Ti (sections 0022, 0023 and 0028), and
- heat treating/annealing the films and the semiconductor layer at a temperature of about 800 deg. C (section 0025)

(Fig. 2-5; sections 0022-0039; pp. 1-4).

Herner et al. further disclose semiconductor material layer comprising GaAs, GaN, etc. having n-type diffusing dopant in the formation of the ohmic contacts (see sections 0039 and 0040), but fail to teach the semiconductor material layer having diffusing Si as a dopant.

Nakamura et al. teach forming ohmic contacts using semiconductor material layer such as n-type GaN (see 12 in Fig. 6) having conventional Si as a dopant (Col. 5, lines 17-24; Col. 11, lines 24-30).

It would have been obvious to a person of ordinary skill in the art at the time invention was made to incorporate teach the semiconductor material layer having

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diffusing Si as a dopant as taught by Nakamura et al. so that the desired ohmic characteristics and electrical performance can be achieved in Herner et al's ohmic contact.

Response to Arguments

5. Applicant's arguments with respect to claims 1-3 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Parekh whose telephone number is 571-272-1663. The examiner can normally be reached on 09:00AM-05:30PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie Lee can be reached on 571-272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9318.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

Nitin Parekh

PRIMARY EXAMINER

NP

TECHNOLOGY CENTER 2800

05-16-05